

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

SALEM COMMUTER RAIL STATION INTERMODAL CENTER SALEM, MASSACHUSETTS 30% DESIGN SUBMISSION - DECEMBER 16, 2009





AECOM

PRIME / ARCHITECTURE

38 Chauncy Street, 10th Floor, Suite 1001,
Boston, MA 02111

Tel: 617.482.4835 Fax: 617.482.0642

STRUCTURAL ENGINEER
Walker Parking Consultants
20 Park Plaza, Suite 1202
Boston, MA 02116

ENVIRONMENTAL ENGINEER

Tel: 617.350.5040 Fax: 617.350.5048

AECOM Environmental 95 State Road Sagamore Beach, MA 02562 Tel: 508.888.3900 Fax: 508.888.6689 MEP / FP / IT ENGINEER

Architectural Engineers, Inc.
77 Summer Street
Boston, MA 02110
Tel: 617.542.0810 Fax: 617.542.8451

COST ESTIMATOR

Keville Enterprises, Inc. 145 Tremont Street, 3rd Floor Boston, MA 02111 Tel: 617.482.3888 Fax: 617.482.4488 CIVIL ENGINEER

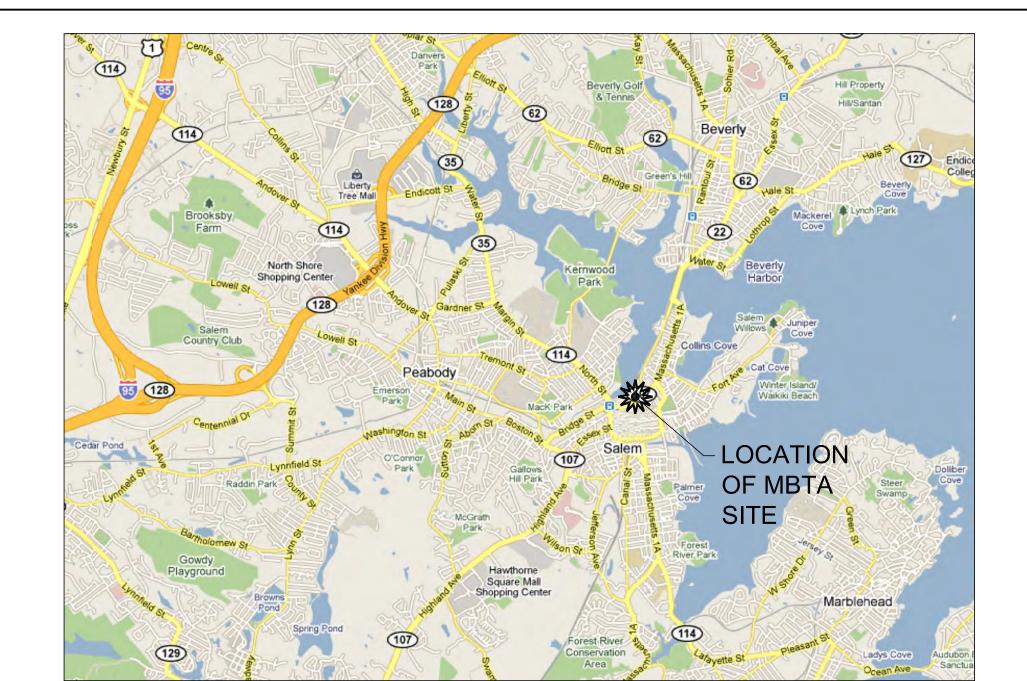
Moving Massachusetts Forward.

Lin Associates, Inc. 2001 Beacon St. Brighton MA 02135 Tel: 617.566.4216 Fax: 617.566.6038

RAIL ENGINEER

SYSTRA
38 Chauncy Street, Suite 805
Boston, MA 02111
Tel: 617.423.3777 Fax: 617.423.4161

LOCUS MAP:



VICINITY MAP:



MBTA

Massachusetts Bay Transportation Authority 10 Park Plaza, Room 5750 Boston, MA 02116 Tel: 617.222.4400

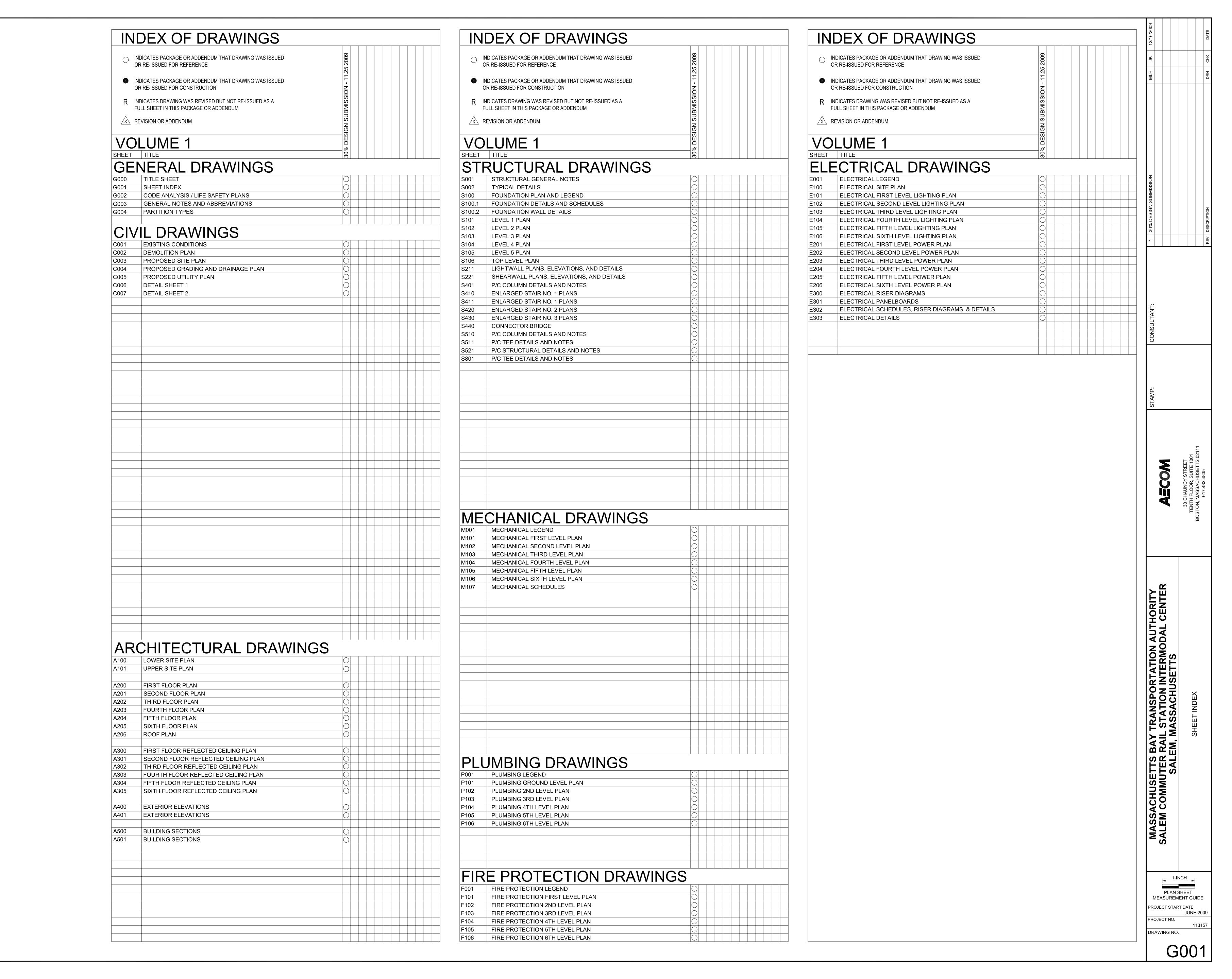
500 Arborway

Jamaica Plain, MA 02130 Tel: 617.222.3082 Fax: 617 222.4535

MASSACHU	REV 1	DESCRIPTION 30% DESIGN SUBMISSION	
TRANSPORTATION AUTHORITY			
APPROVED	DIRECTOR		
DATE	PLANNING & DEVELOPMENT		
APPROVED	PROJECT MANAGER		
DATE	DESIGN & CONSTRUCTION		

DEPARTMENT

1-INCH			
PLAN SHEET			
MEASUREMENT GUIDE			
PROJECT START DATE			
JUNE 2009			
PROJECT NO.			
113157			
DRAWING NO.			



CODE ANALYSIS

APPLICABLE CODES:					
BUILDING:	780 CMR: MASS STATE BUILDING CODE -7TH ED. (2003 INTERNATIONAL BUILDING CODE) (2003 INTERNATIONAL FIRE CODE WHERE REFERENCED)				
FIRE PREVENTION:	527 CMR: MASSACHUSETTS FIRE PREVENTION REGULATIONS				
ACCESSIBILITY:	527 CMR: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REGULATIONS				
ELECTRICAL:	527 CMR 12.00: MASSACHUSETTS STATE ELECTRICAL CODE (2008 NATIONAL ELECTRICAL CODE)				
ELEVATOR:	524 CMR: MASSACHUSETTS ELEVATOR CODE (2004 ASME A17.1)				
MECHANICAL:	2003 INTERNATIONAL MECHANICAL CODE (IMC)				
PLUMBING:	248 CMR: MASSACHUSETTS PLUMBING CODE				

GENERAL BUILDING LIMITATIONS: HEIGHT & AREA LIMITATIONS: NEW GARAGE BUILT OF TYPE 1B CONSTRUCTION: USE GROUP S2, LOW-HAZARD STORAGE				
	CONSTRUCTIONS TYPE 2B			
CODE REFERENCE	HEIGHT	AREA (PER STORY)		
TABLE 406.3.5	12 STORIES	UNLIMITED		
		N/A < 2 STORY		
TOTAL ALLOWED	12 STORIES	UNLIMITED		
PROPOSED HEIGHT & TOTAL AREA	6 STORIES (66')	60,000 SF		

MEANS OF EGRE	ANS OF EGRESS:				
FLOOR	OCCUPANT LOAD 443	NUMBER OF EXITS			
		REQUIRED	PROVIDED		-
1		2	3		-
2	325	2	3		_
3	325	2	3		-
4	325	2	3		_
5	325	2	3		-
6	225	2	3		-
PROVIDED PLUMBING FIXTURES:					

WATER CLOSETS

LAVATORIES

REQUIRED

PROVIDED

LEGEND

PRIMARY EGRESS

→ SECONDARY EGRESS

ACCESSIBLE ENTRANCE

WALL HUNG FIRE EXT

SEPARATED 1-HR CONSTRUCTION

■ ■ ■ ■ ■ 2-HR FIRE PARTION

---- 1-HR FIRE PARTITION

RECESSED FIRE EXT. & CABINET

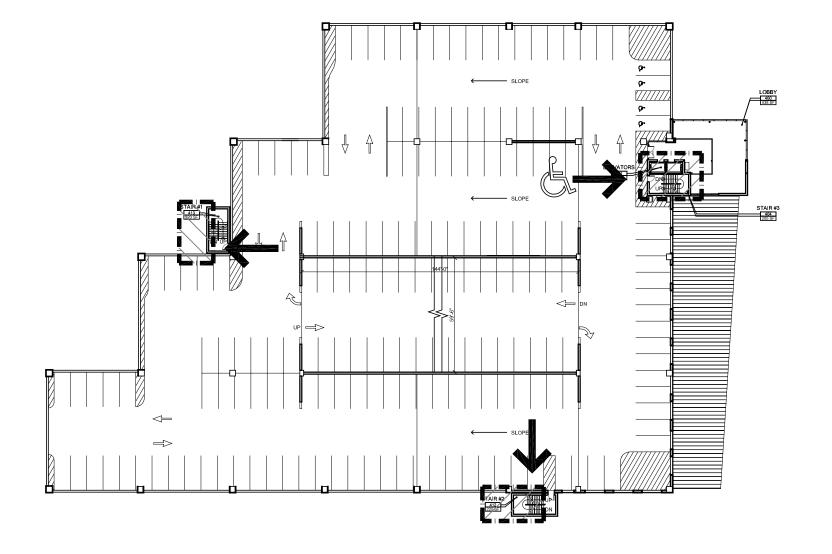
SEPARATED 2-HR CONSTRUCTION

→ PATH OF EGRESS

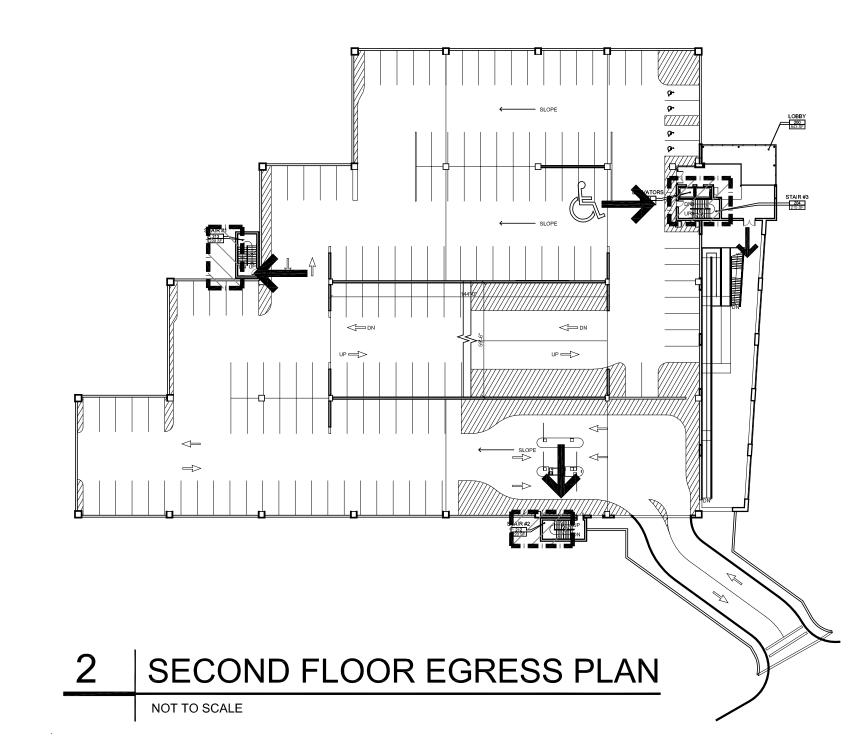
	USES & OCCUPANCY CLASSIFICATION (NON-SEPARATED MIXED USE 780 CMR 313.0)						
	FLOOR	AREA	780 CMR USE GROUP	NFPA 101 OCCUPANCY			
	1	NEW	S-2	STORAGE / ASSEMBLY			
	2	NEW	S-2	STORAGE			
	3	NEW	S-2	STORAGE			
	4	NEW	S-2	STORAGE			
	5	NEW	S-2	STORAGE			
-	6	NEW	S-2	STORAGE			
	FIRE SEPERATION ASSEMBLY IS NOT REQUIRED BETWEEN USE GROUPS, EXCEPT AS						
	REQUIRED BY OTHER SECTIONS						

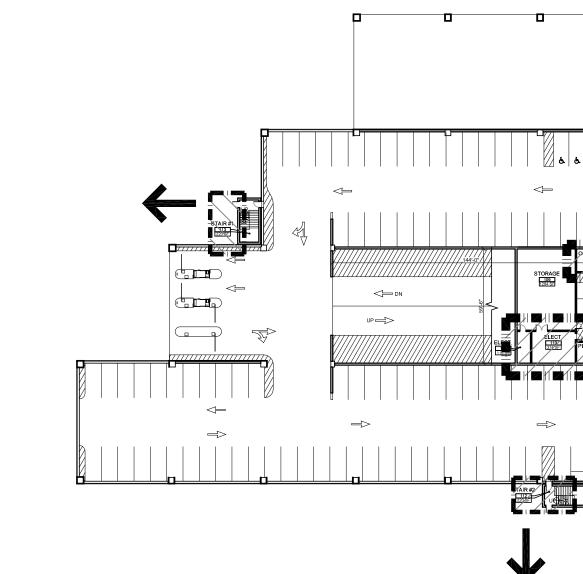
SLOPE UP STAIR #3 STAIR #3 STAIR #3
SLOPE NAMP DOWN

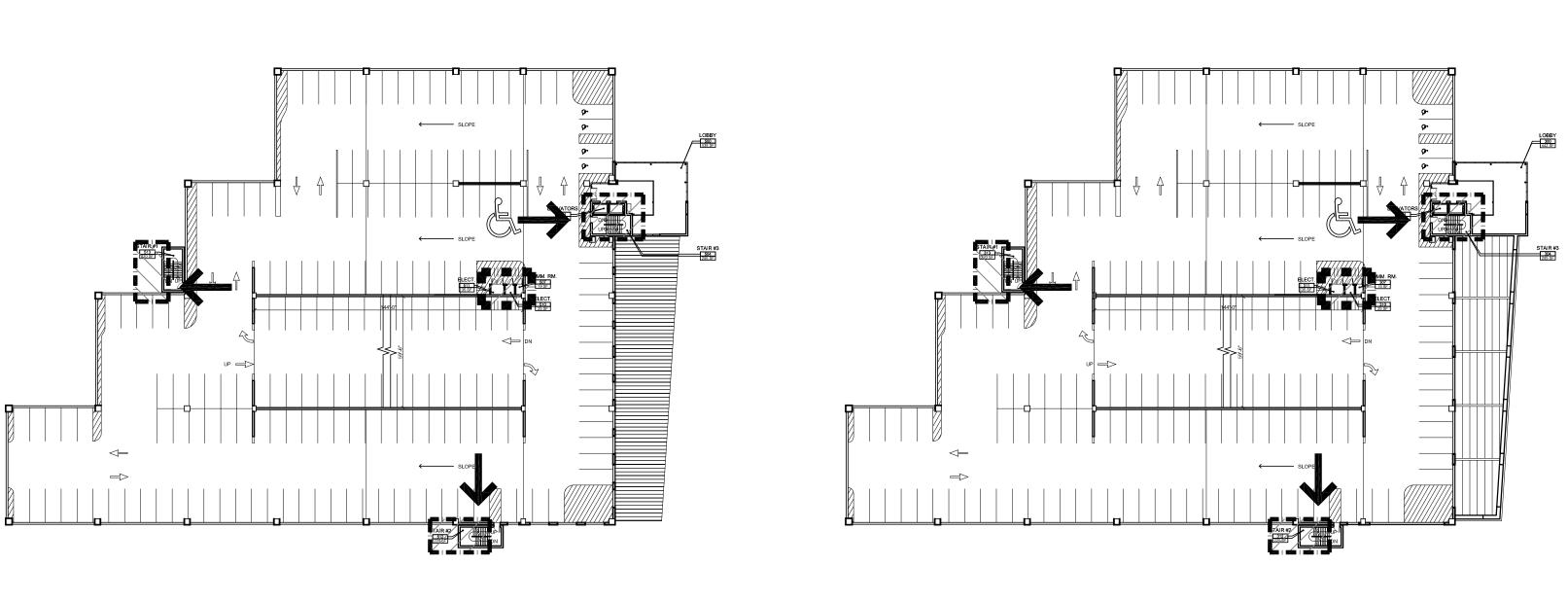




FOURTH FLOOR EGRESS PLAN

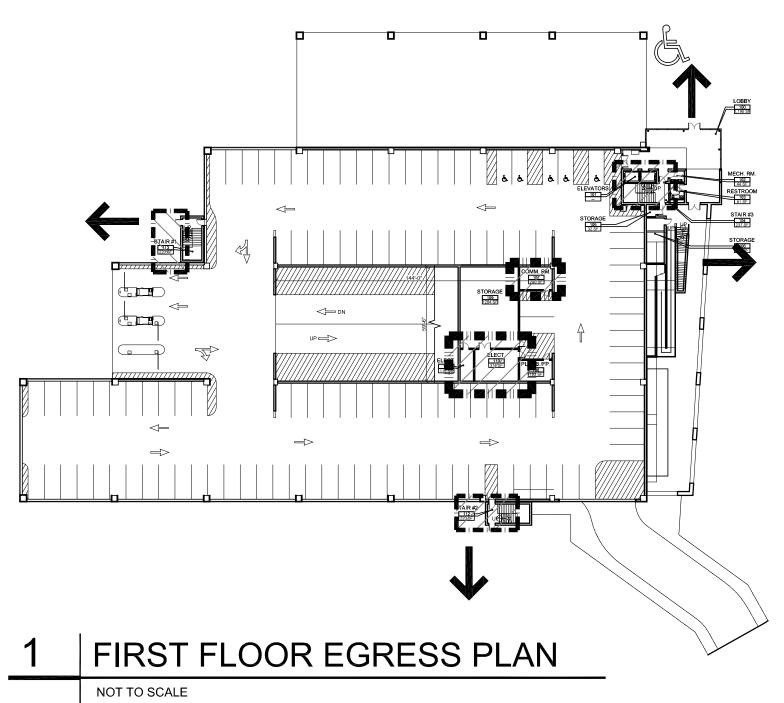






5 | FIFTH FLOOR EGRESS PLAN





1-INCH
PLAN SHEET
MEASUREMENT GUIDE DRAWING NO.

G002

FINISH NOTES

- 1. FINISH GROUPS AND CEILING TYPES ARE KEYED ON PLANS.
- 2. CHANGE OF FLOORING MATERIAL SHALL OCCUR AT THE CENTERLINE OF DOOR IN CLOSED POSITION.
- 3. PROVIDE TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR MATERIALS.
- 4. CERAMIC FLOOR TILE TO BE SLIP RESISTANT.
- 5. PAINT ALL RAILS, GUARDS, DOORS, FRAMES, LADDERS, BOLLARDS, AND / OR GRATINGS, INCLUDING SUCH ITEMS OCCURRING IN ROOMS NOT SCHEDULED TO RECEIVE WALL OR FLOOR FINISH.
- 6. PAINT ALL MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ETC. UNLESS OTHERWISE NOTED AND / OR PRE-FINISHED BY MANUFACTURER.
- ALL PRODUCTS AND FINISHES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH AND OVER SUBSTRATES PREPARED IN ACCORDANCE WITH, MANUFACTURERS WRITTEN INSTRUCTIONS AND PRODUCT LITERATURE. ALL INTERIOR FLOOR, WALL AND CEILING FINISHES SHALL HAVE A CLASS I (OR CLASS A) FLAME SPREAD CLASSIFICATION.

ROOM FINISH LEGEND

C. CERAMIC TILE CERAMIC BASE

P. PAINT

E. EPOXY PAINT

G. GLAZED CMU

U. SEALED CONCRETE

Y. ENTRY MAT

Q. QUARRY TILE

H. HARDENER / SEALER /

W. WOOD

L. LAMINATE

M. METAL PANEL

N. NATURAL STONE

AD - AREA DRAIN

ABBREVIATIONS

ALUM - ALUMINUM AOA - AIRSIDE OPERATIONS AREA ARCH - ARCHITECTURAL AWI - AMERICAN WOODWORKERS

INSTITUTE

B - BASELINE **BAT - BATTERY BOT - BOTTOM** BLDG - BUILDING

BRD - BACKUP ROOF DRAIN **φ** - CENTER LINE CFMF - COLD-FORMED METAL

FRAMING CIP - CAST IN PLACE CLG - CEILING **CLOS - CLOSET**

CLR - CLEAR CMU - CONCRETE MASONRY UNIT COL - COLUMN **CONC - CONCRETE**

CONN - CONNECTION CONST - CONSTRUCTION CONT - CONTINUOUS CT - CERAMIC TILE

DEG - DEGREE(S) **DES - DESIGNATION** DF - DRINKING FOUNTAIN DIA - DIAMETER

DIM - DIMENSION DWG(S) - DRAWING(S) DH - DOOR HEIGHT

DS - DOWN SPOUT DTL - DETAIL **ECB - EMERGENCY CALL BOX ELEC - ELECTRICAL EL - ELEVATION**

ELEV(S) - ELEVATOR(S) EQ - EQUAL ES - EXPOSED STRUCTURE

EXP - EXPANSION

EXT - EXTERIOR EXP JT - EXPANSION JOINT FE - FIRE EXTINGUISHER

FEC - FIRE EXTINGUISHER CABINET FFE - FINISH FLOOR ELEVATION

PL - PLATE

PLAS - PLASTER

PTD - PAINTED

RD - ROOF DRAIN

REQ'D - REQUIRED

SPK - SPRINKLER

STD - STANDARD

SIM - SIMILAR

SP - SPACES

TO - TOP OF

TEL - TELEPHONE

TOC - TOP OF CONCRETE

UON - UNLESS OTHERWISE NOTED

UPS - UNINTERRUPTED POWER SOURCE

TOS - TOP OF STEEL

VB - VAPOR BARRIER

TRTD - TREATED

TYP - TYPICAL

VNR - VENEER

WP - WORKPOINT

W - WIDTH

TH - THICKNESS

SUSP - SUSPENDED

SS - STAINLESS STEEL

STRUC - STRUCTURE

SQ - SQUARE

STL - STEEL

REQ'S - REQUIREMENTS

R - RADIUS

PRESS - PRESSURE

PNL - PANEL

PLAM - PLASTIC LAMINATE

PT - PRESSURE TREATED

RAR - RETURN AIR REGISTER

RCP - REFLECTED CEILING PLAN

STC - SOUND TRANSMISSION CO

SGFT - STRUCTURAL GLAZED FACING TILE

FID - FLIGHT INFORMATION DISPLAY FIN FLR - FINISHED FLOOR FOW - FACE OF WALL FD - FLOOR DRAIN FT - FOOT / FEET GA - GUAGE

GALV - GALVANIZED

GR - GROUND GWB - GYPSUM WALL BOARD H - HEIGHT HDWD - HARDWOOD

HP - HIGH POINT HR - HOUR ID - INSIDE DIAMETER **INT - INTERIOR** IPCS - INTEGRATED PROJECT

CONTROL SYSTEM JAN - JANITOR JT - JOINT IN - INCH

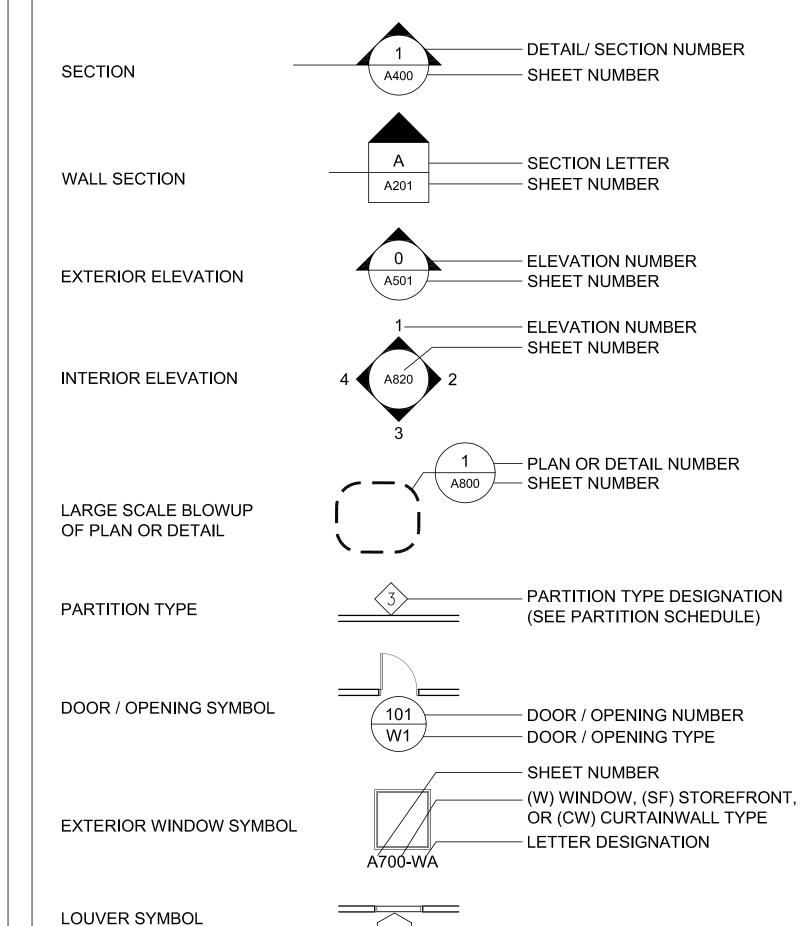
LAV - LAVATORY LCC - LEAD COATED COPPER LT - LIGHT

MAX - MAXIMUM MDO - MEDIUM DENSITY OVERLAY **MECH - MECHANICAL**

MIN - MINIMUM MTL - METAL NIC - NOT IN CONTRACT NO - NUMBER NTS - NOT TO SCALE

OH - OPPOSITE HAND OFOI - OWNER TO FURNISH & INSTALL PAX - PASSENGERS PC - PRE-CAST

REFERENCE SYMBOLS



01 -- LOUVER DESIGNATION **ROOM NAME** FLOOR PLAN 123 - ROOM NUMBER **ROOM NAME AND NUMBER** 368 SF - ROOM AREA

TA-10 REFLECTED CEILING PLAN - ROOM NUMBER **ROOM NUMBER**

- CEILING FINISHES REFLECTED CEILING GWB PLAN INFORMATION 10'-0"AFF - CEILING / SOFFIT HEIGHT TA-10 TOILET ACCESSORY NUMBER **TOILET ACCESSORY**

- LEVEL ELEVATION 36'-0" T.O. HIGH ROOF FLOOR ELEVATION LEVEL DESCRIPTION - COLUMN GRID INDICATOR COLUMN

COLUMN GRID LINE MATCH LINE A211- SHEET NUMBER **MATCH LINE** MATCH LINE A212

KEY NOTE

REVISION NUMBER (SHEET SPECIFIC) REVISION CLOUDED AREA OF REVISION

- KEY NOTE

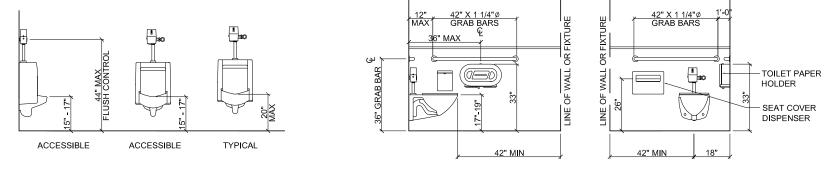
CEILING TYPES

ACT1 - 2' x 2' MILDEW RESISTANT ACOUSTICAL CEILING TILE

EXPOSED STRUCTURE

MTL1 - 4' X 4' METAL PANEL SYSTEM

TYPICAL MOUNTING HEIGHTS

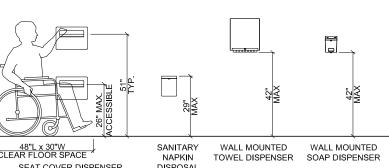


NOTE: MAXIMUM HEIGHT SHALL BE REDUCED TO 3'-8" WHERE AN OBSTRUCTION (SHELF, TABLE) OCCURS IN FRONT OF CONTROL OR OPERATING

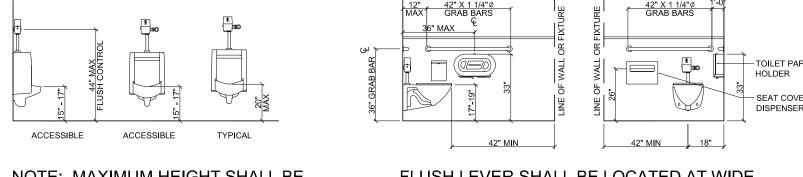
SIDE OF WC, NO HIGHER THAN 44" AFF. PROVIDE 1 1/2" MIN CLEARANCE BEHIND &

MIN. MOUNTING HEIGHT: 15" AFF

2. VERIFY ALL MOUNTING HEIGHTS AND

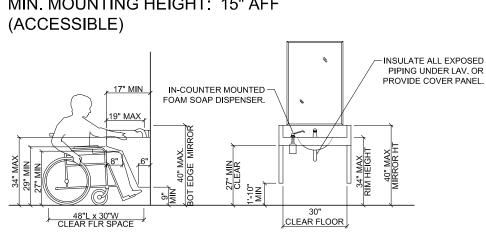


MAXIMUM MOUNTING HEIGHTS (48" OR 54") FOR OPERATING PARTS OF MISCELLANEOUS ACCESSORIES, INCLUDING: ELECTRICAL SWITCHES AND



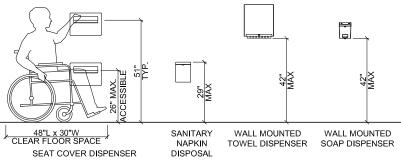
FLUSH LEVER SHALL BE LOCATED AT WIDE GRAB BARS SHALL BE 1 1/2" DIA (1 1/4" MIN)

BELOW GRAB BARS



PROVIDE WOOD BLOCKING IN WALLS TO RECEIVE ALL ACCESSORIES, MILLWORK, FASTENERS AND TOILET PARTITIONS.

CLEARANCES WITH APPLICABLE BUILDING



CONTROLS.

GENERAL NOTES

- 1. GENERAL NOTES ARE APPLICABLE UNLESS OTHERWISE NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
- 2. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.
- 3. REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR CONCRETE PAD REQUIREMENTS.
- LOCATIONS WHERE FINISH FLOOR ELEVATIONS ARE BELOW EXTERIOR GRADE.

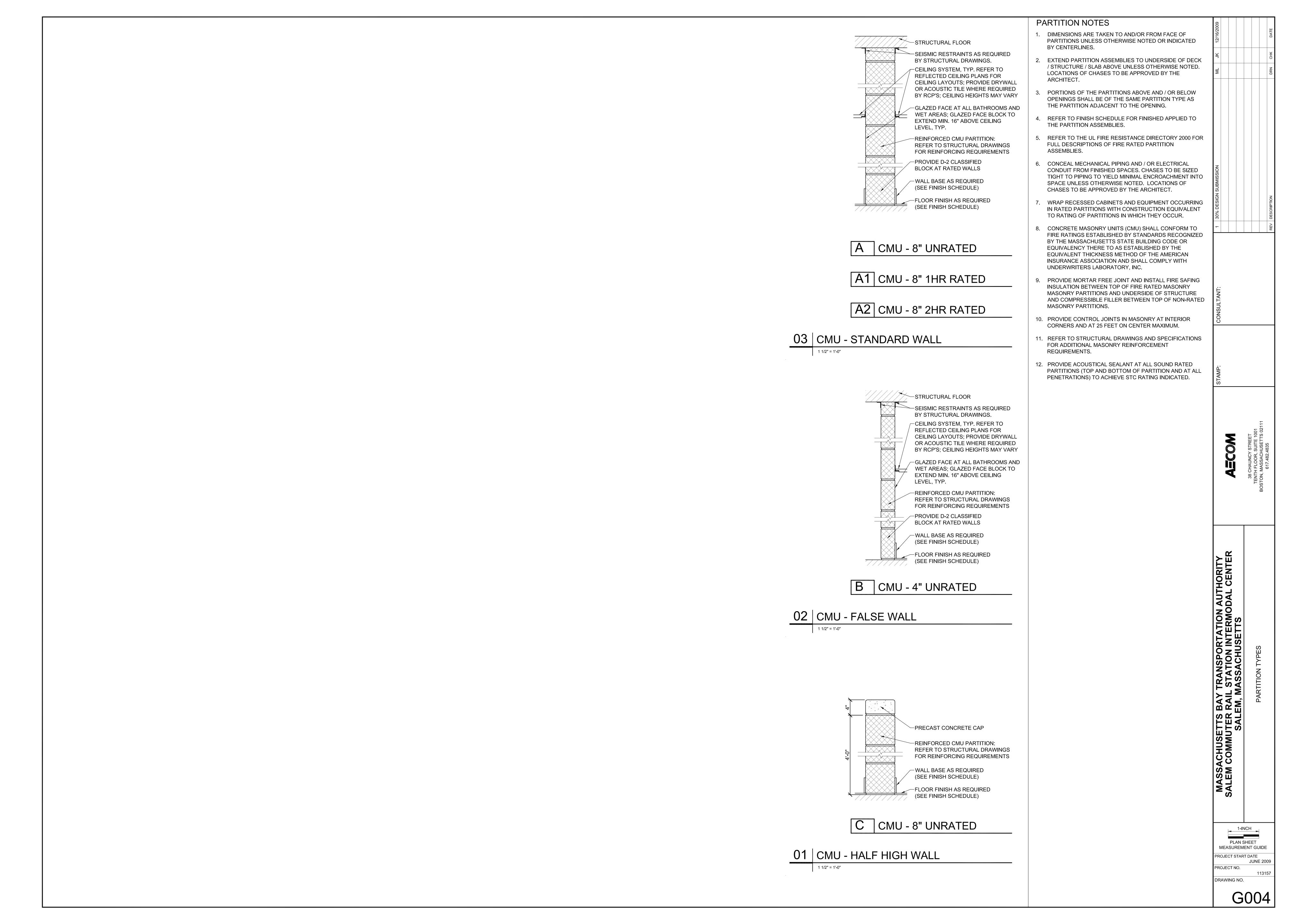
4. APPLY DAMPROOFING AT EXTERIOR FACE OF CONCRETE FOUNDATION WALLS AT

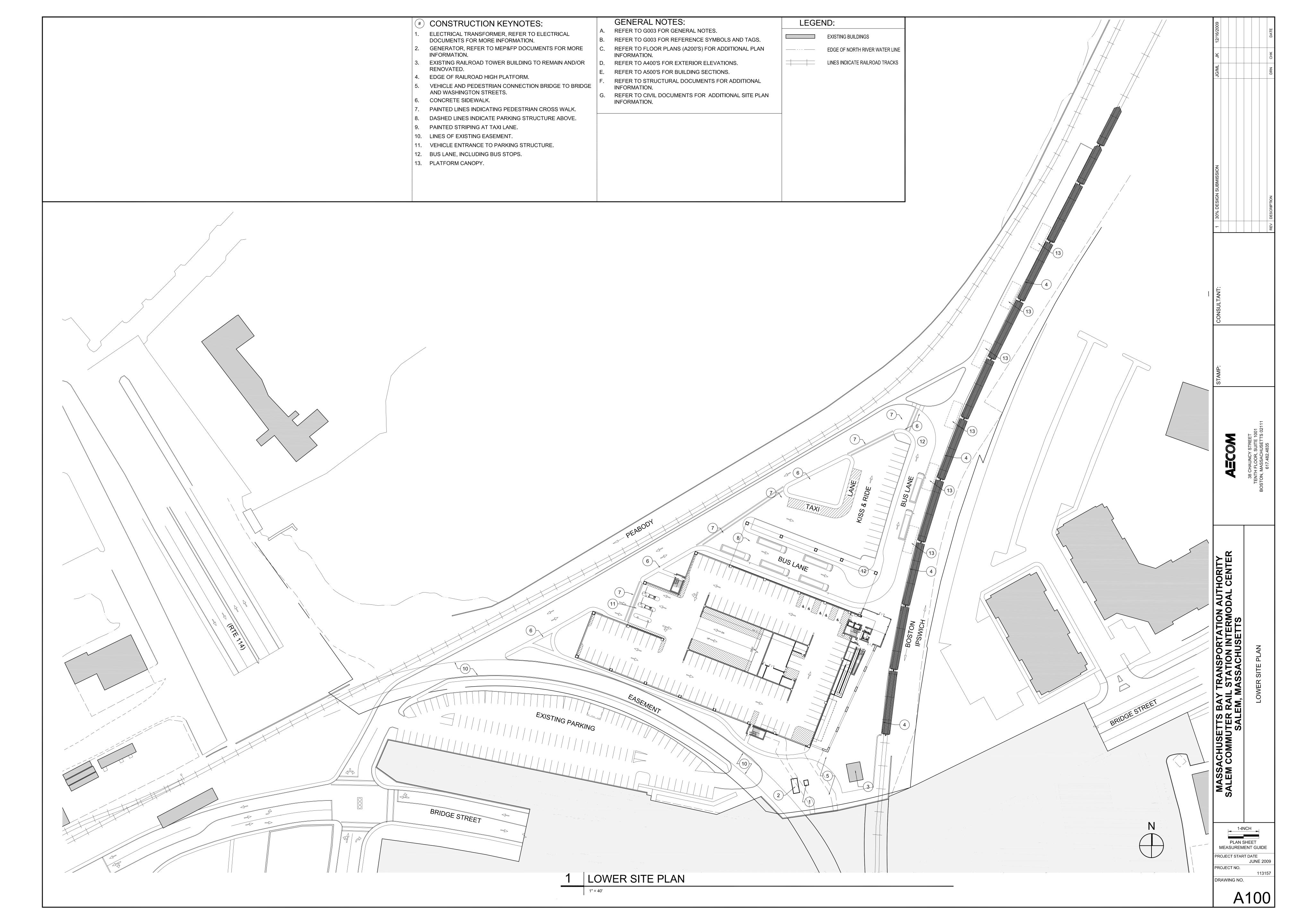
- 5. APPLY DAMPROOFING TO EXTERIOR FACE OF CMU INNER WYTHE (BEHIND VENEER).
- 6. INSTALL SEALANT AND BACKER ROD MATERIAL OVER EXPANSION JOINT MATERIAL WHERE PAVEMENT ABUTS VERTICAL SURFACES.
- 7. INSTALL FIRE SAFING INSULATION AND SEALANT AT RATED PARTITIONS, CEILINGS, AND FLOORS WHERE REQUIRED TO CLOSE OPENINGS, INCLUDING PERIMETER OF DUCTS, PIPES, BEAMS AND OTHER PENETRATIONS.
- 8. PROVIDE FLOOR, WALL, AND CEILING EXPANSION JOINT PLATES AT EXPOSED EXPANSION JOINTS.
- 9. PROVIDE FIRE EXTINGUISHER CABINETS WITH EXTINGUISHERS. RECESS MOUNTED ON DRAWINGS (TOP AT 60 INCHES AFF).
- 10. FURNISHING AND / OR EQUIPMENT SHOWN DOTTED ON PLANS ARE NOT IN CONTRACT UNLESS NOTED OTHERWISE.
- 11. ALL TOILET ACCESSORIES ARE SURFACE MOUNTED UNLESS OTHERWISE NOTED ON TOILET ACCESSORY SCHEDULE.
- 12. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL FLOOR DRAIN LOCATIONS.
- 13. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS AS REQUIRED FOR ELECTRICAL, MECHANICAL, AND / OR PLUMBING AND SIMILAR ITEMS. LOCATION OF ACCESS DOORS MUST BE CONFIRMED / COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- 14. PROVIDE NEW PERMANENT ADA APPROVED SIGNS (WITH APPLIED LETTERS) MOUNTED TO LATCH SIDE OF DOORS AT A HEIGHT OF 60 INCHES AFF AT ALL RESTROOM(S), JANITORS CLOSETS, ELECTRICAL ROOMS, MECHANICAL ROOMS, AND SIMILAR AREAS. REFER TO SIGNAGE DRAWINGS.

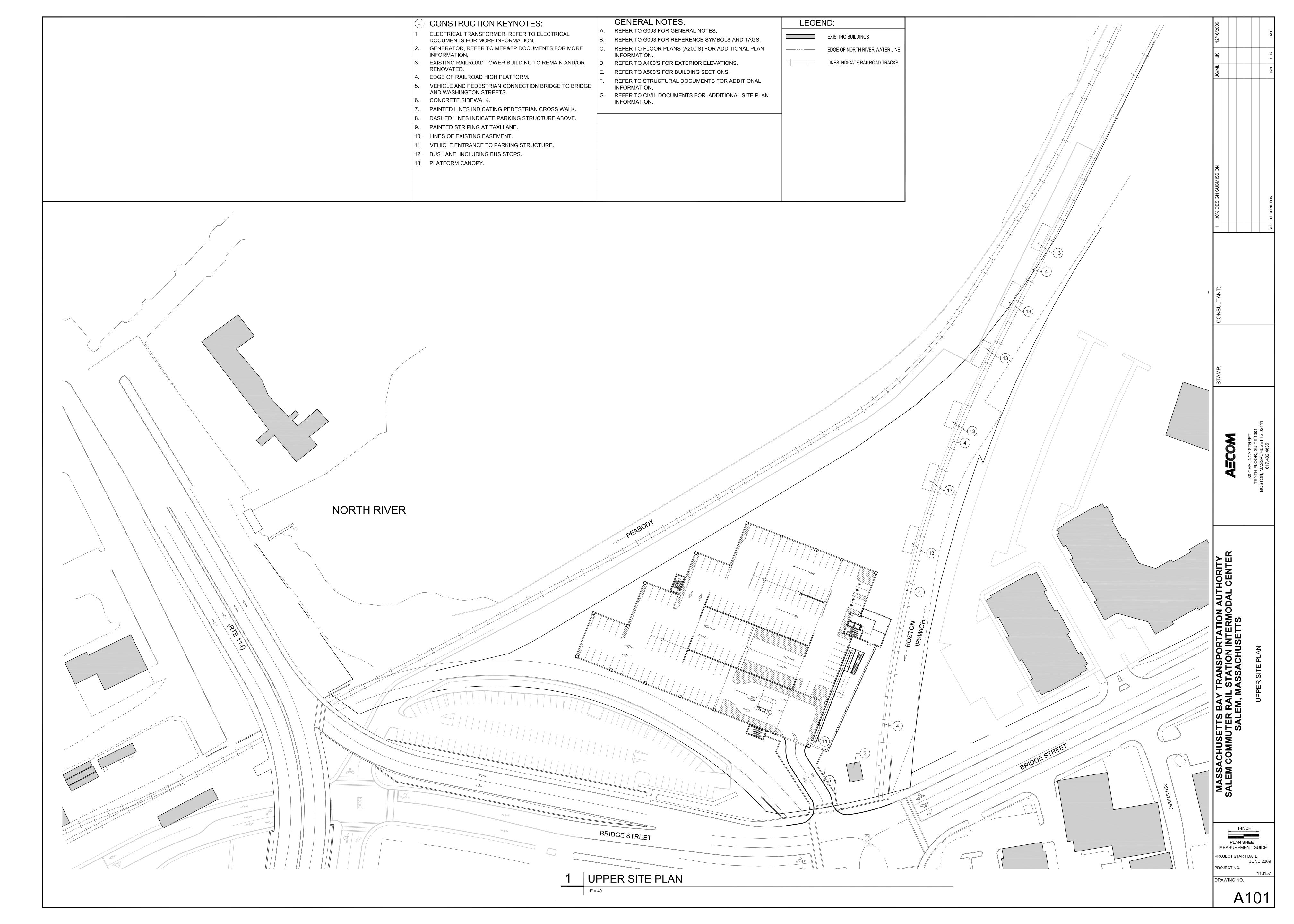
PLAN SHEET MEASUREMENT GUIDE PROJECT START DATE PROJECT NO.

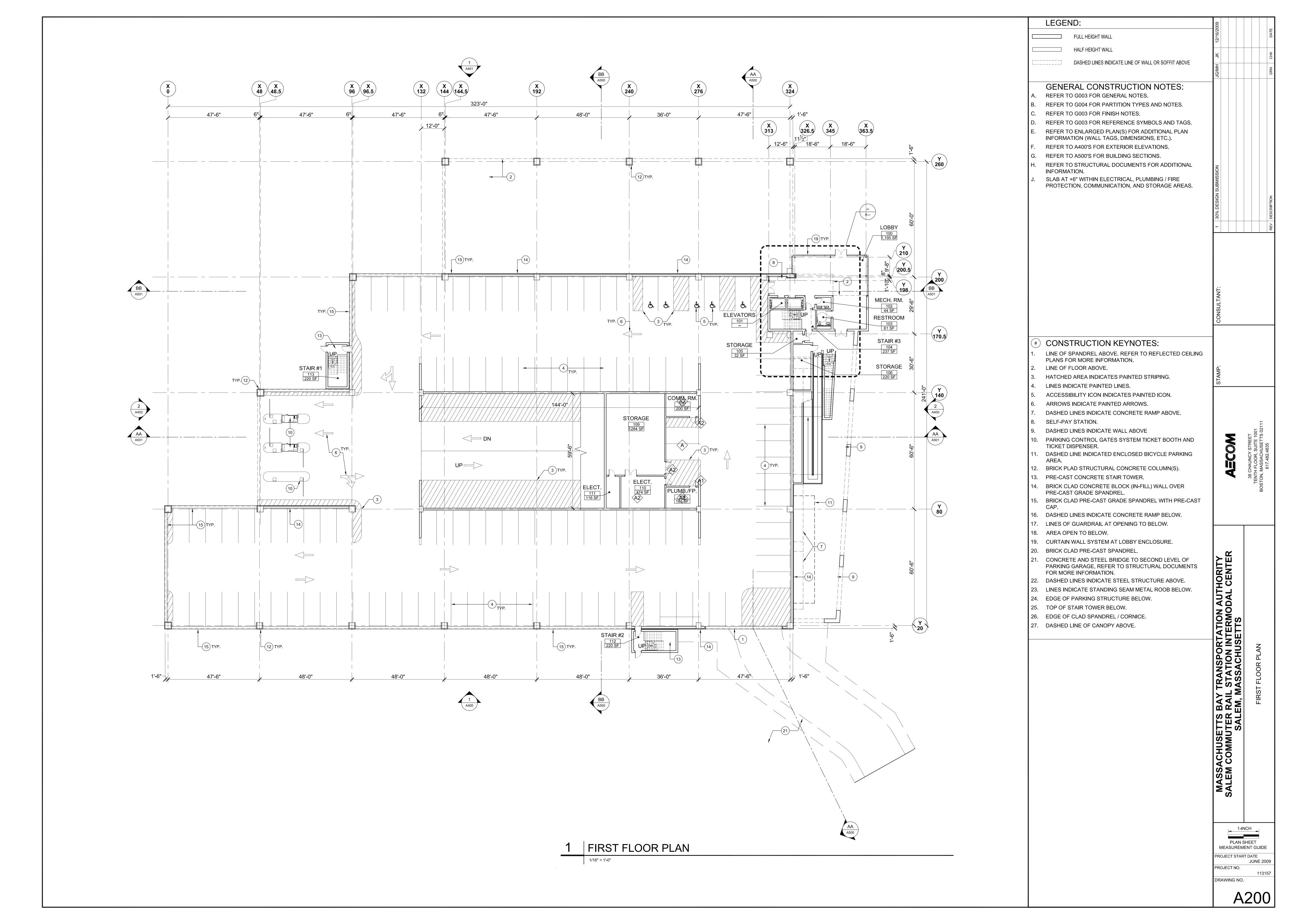
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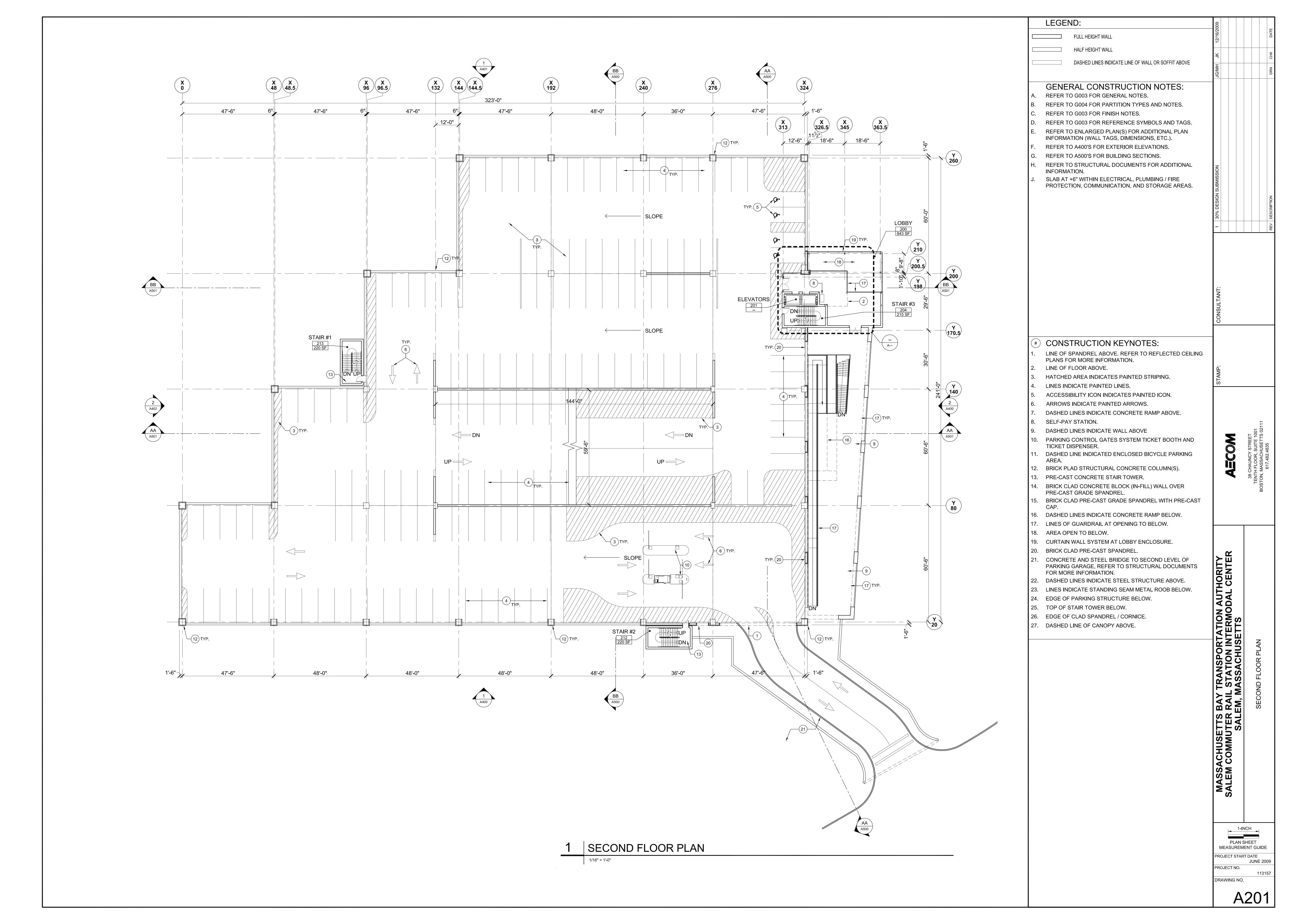
G003

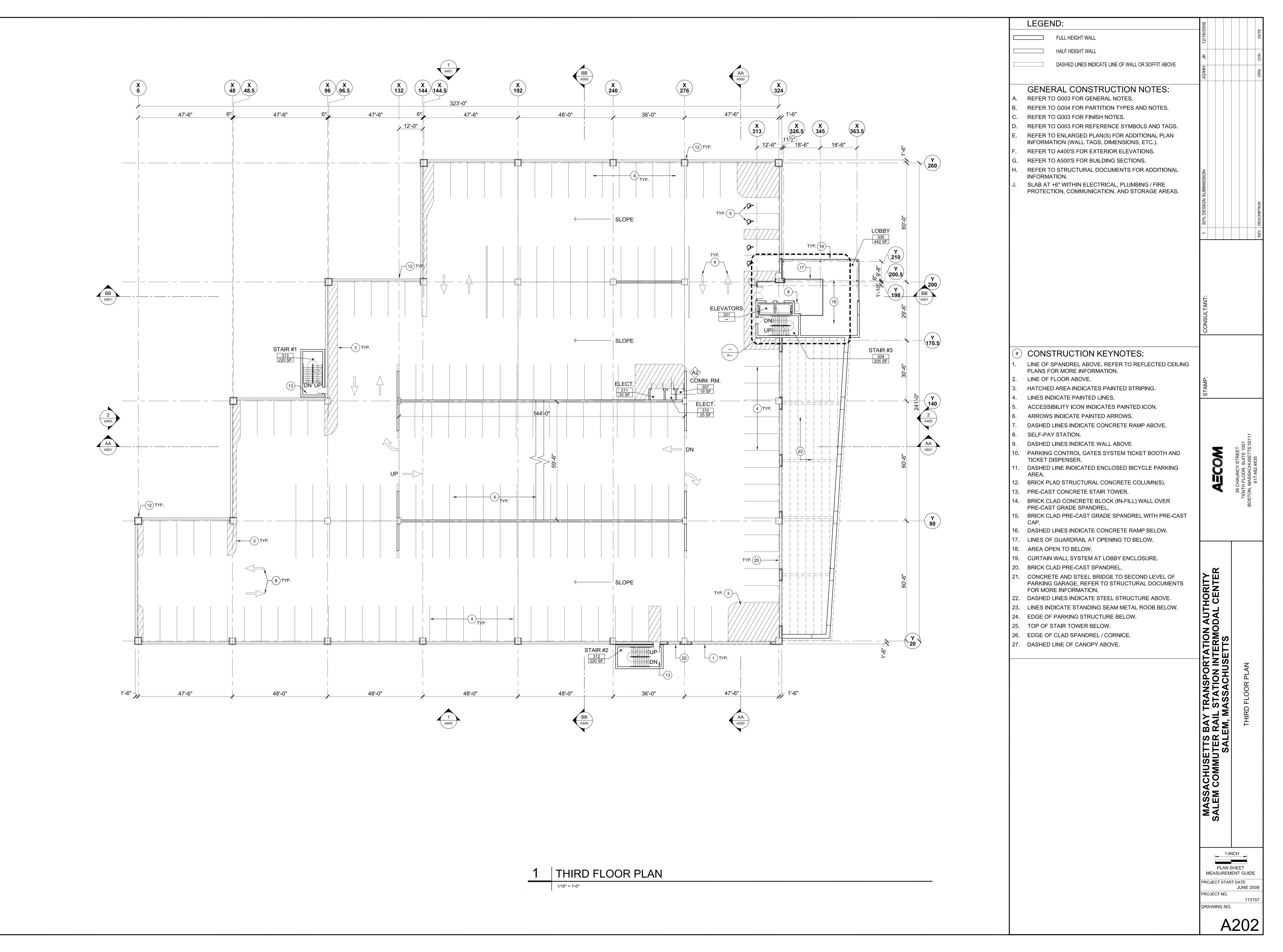


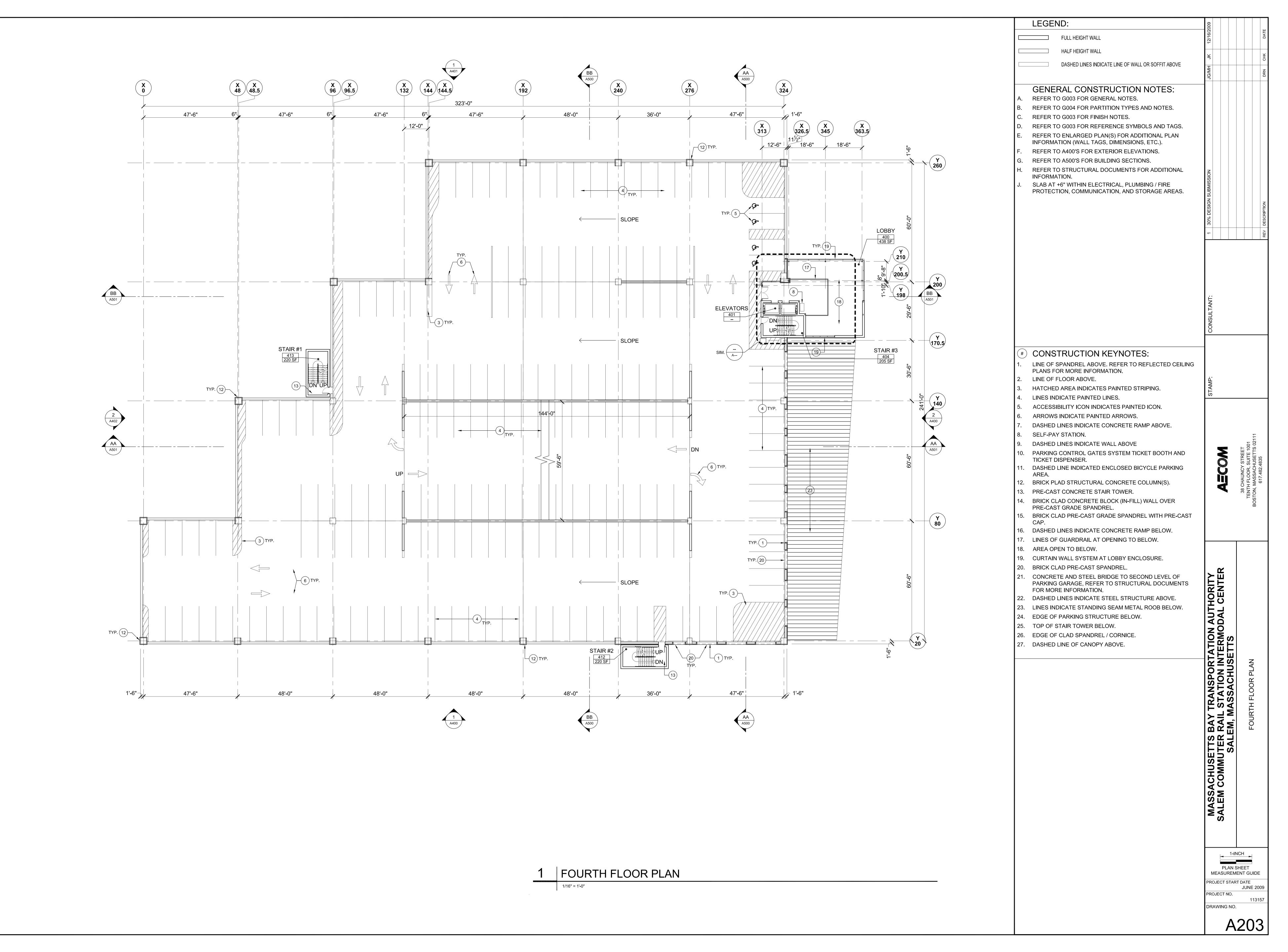


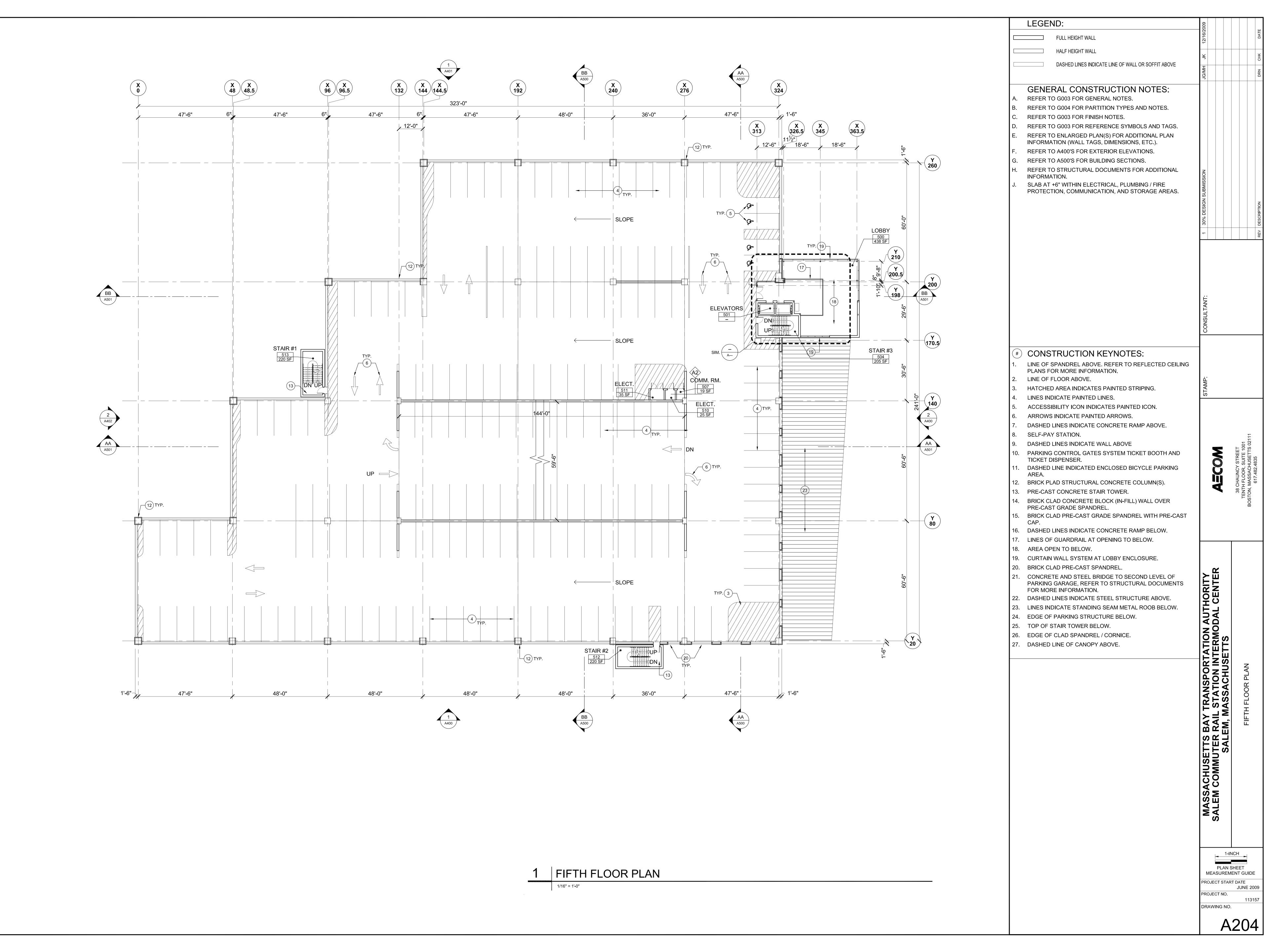


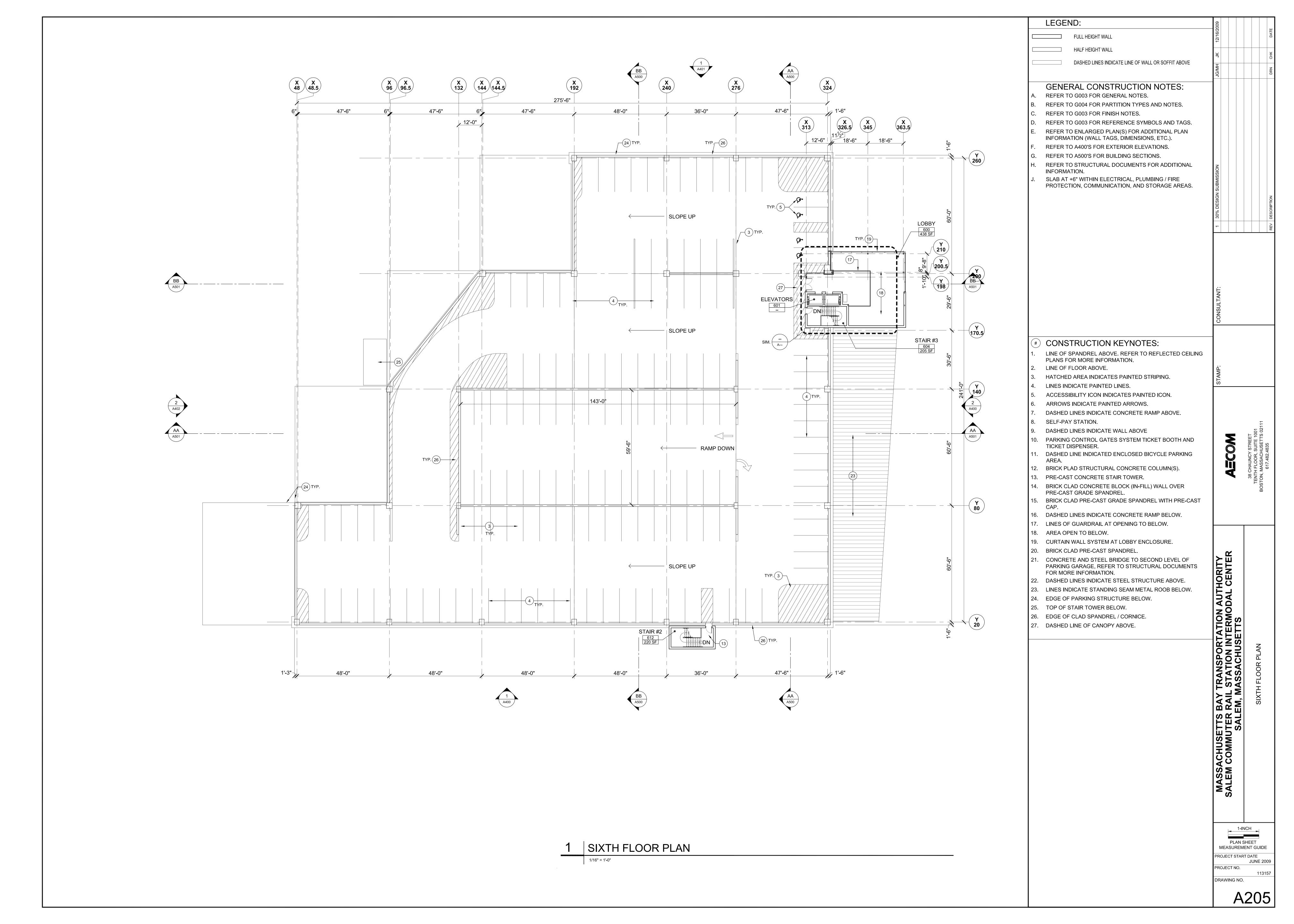


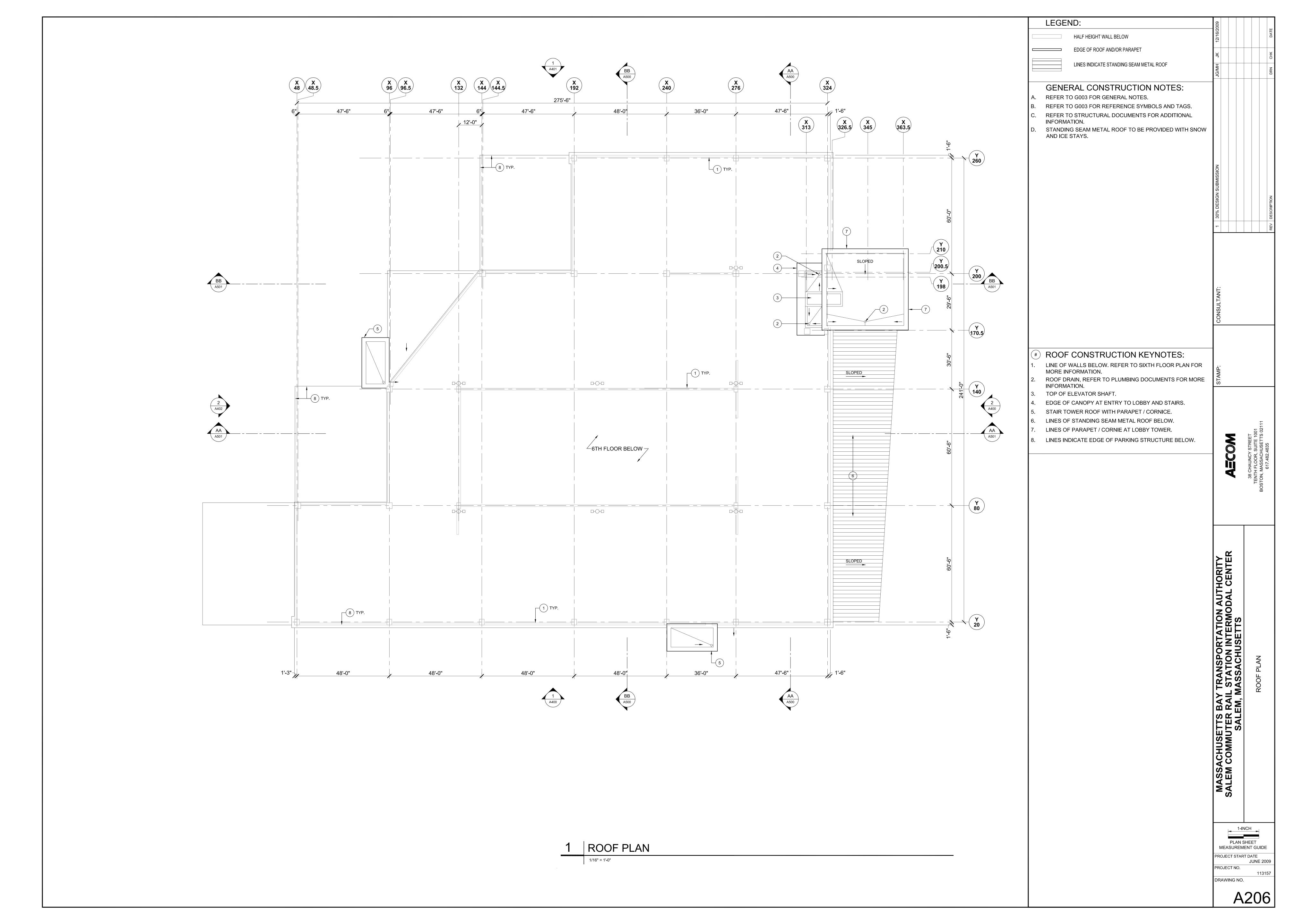


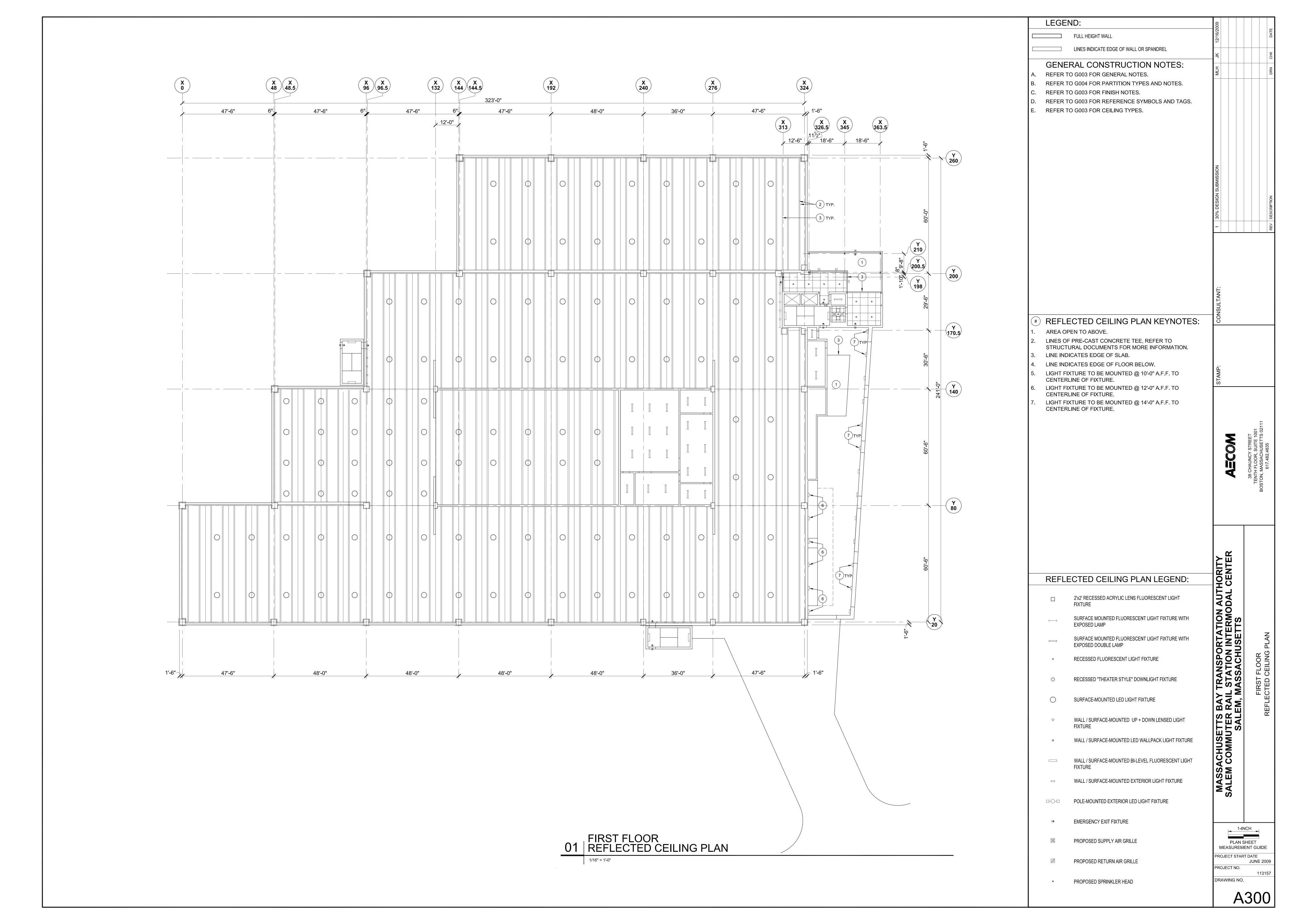


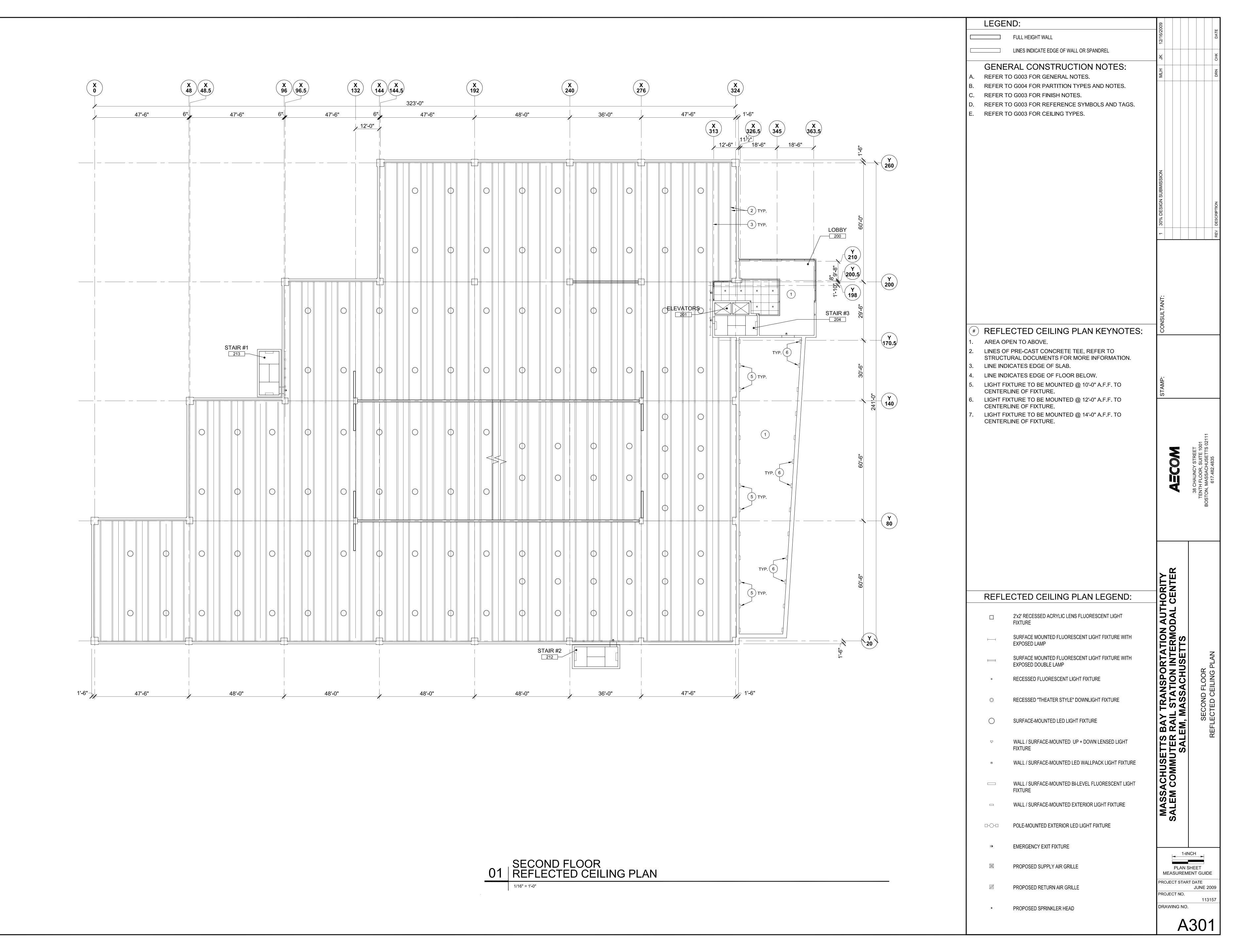


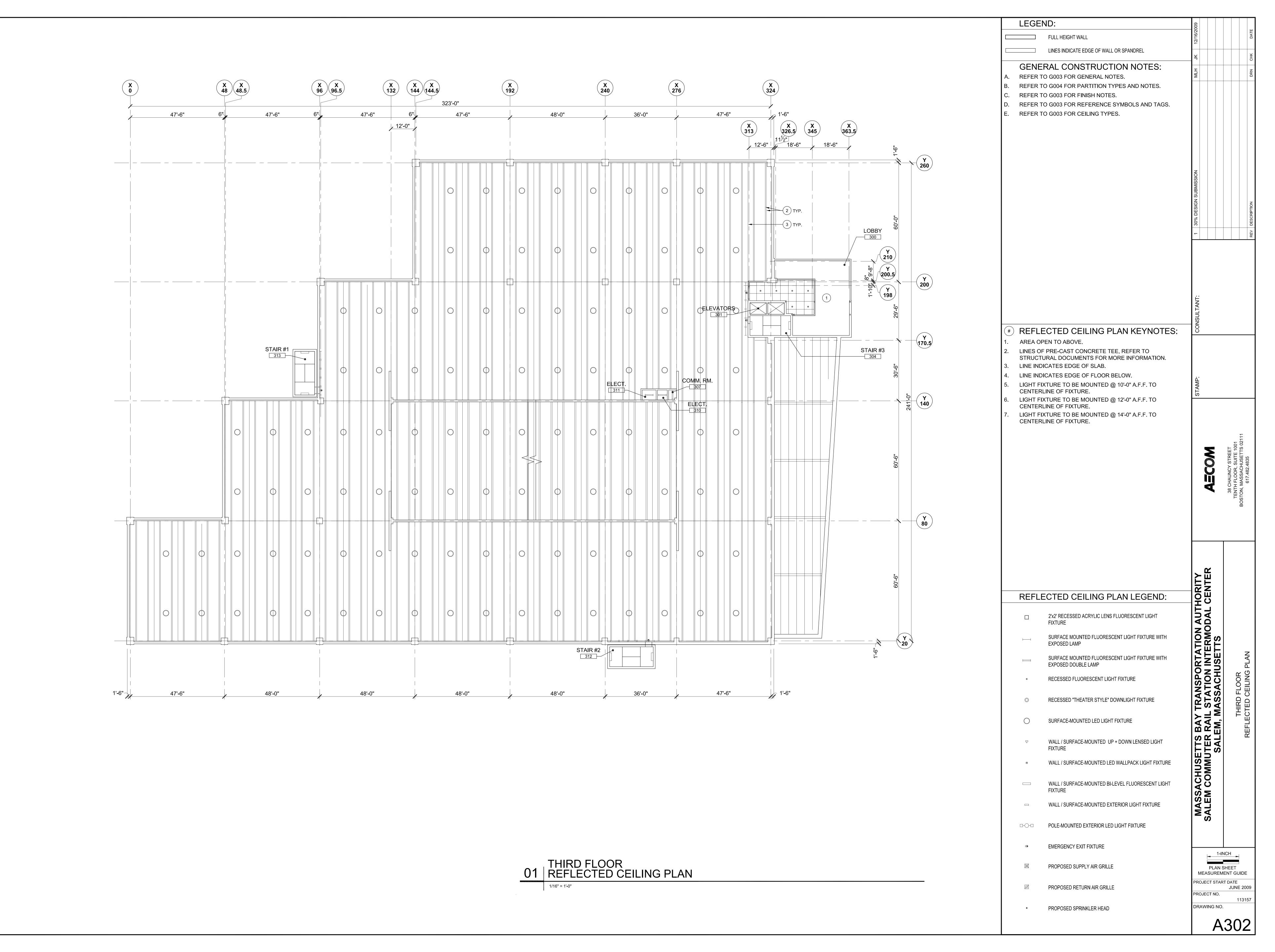


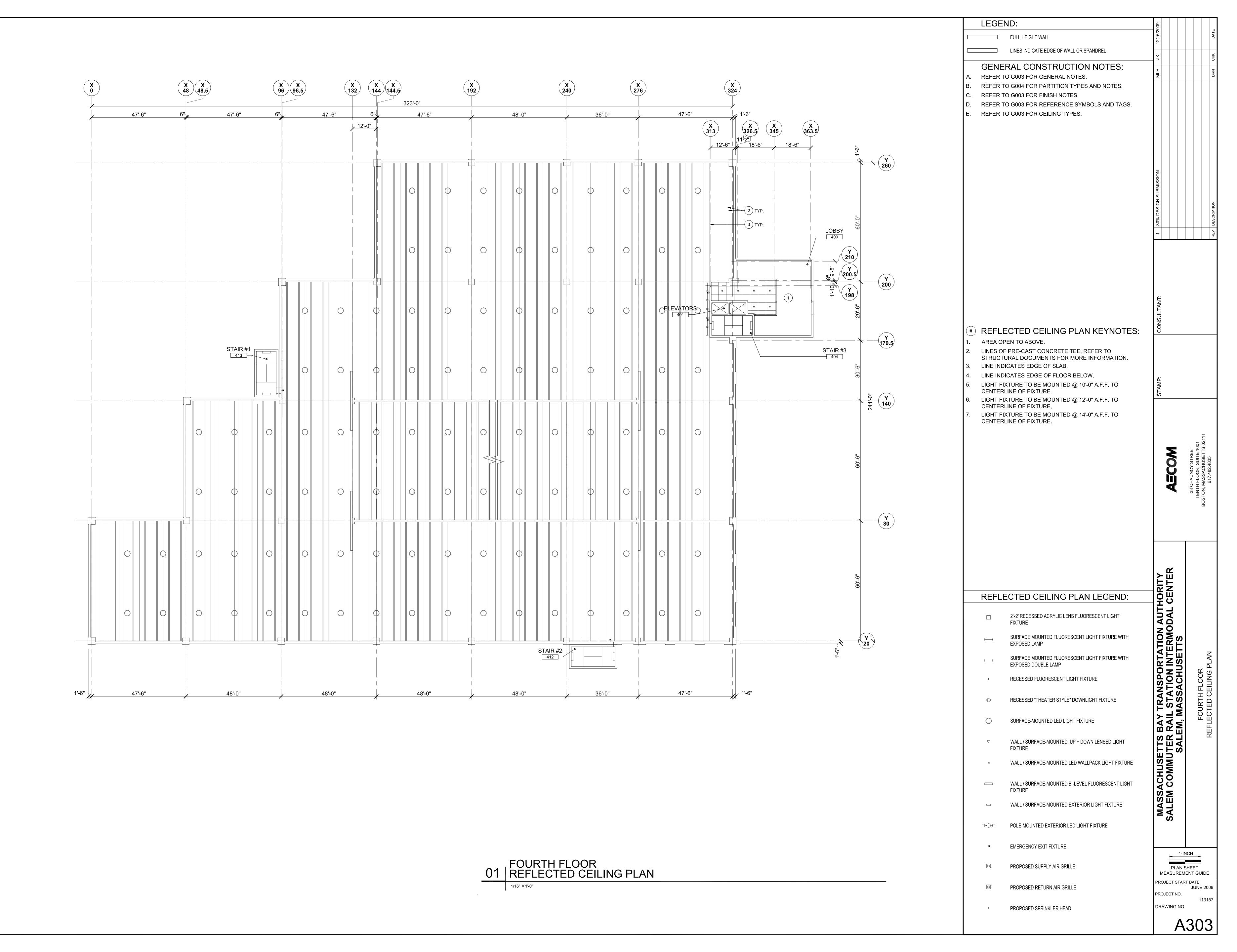


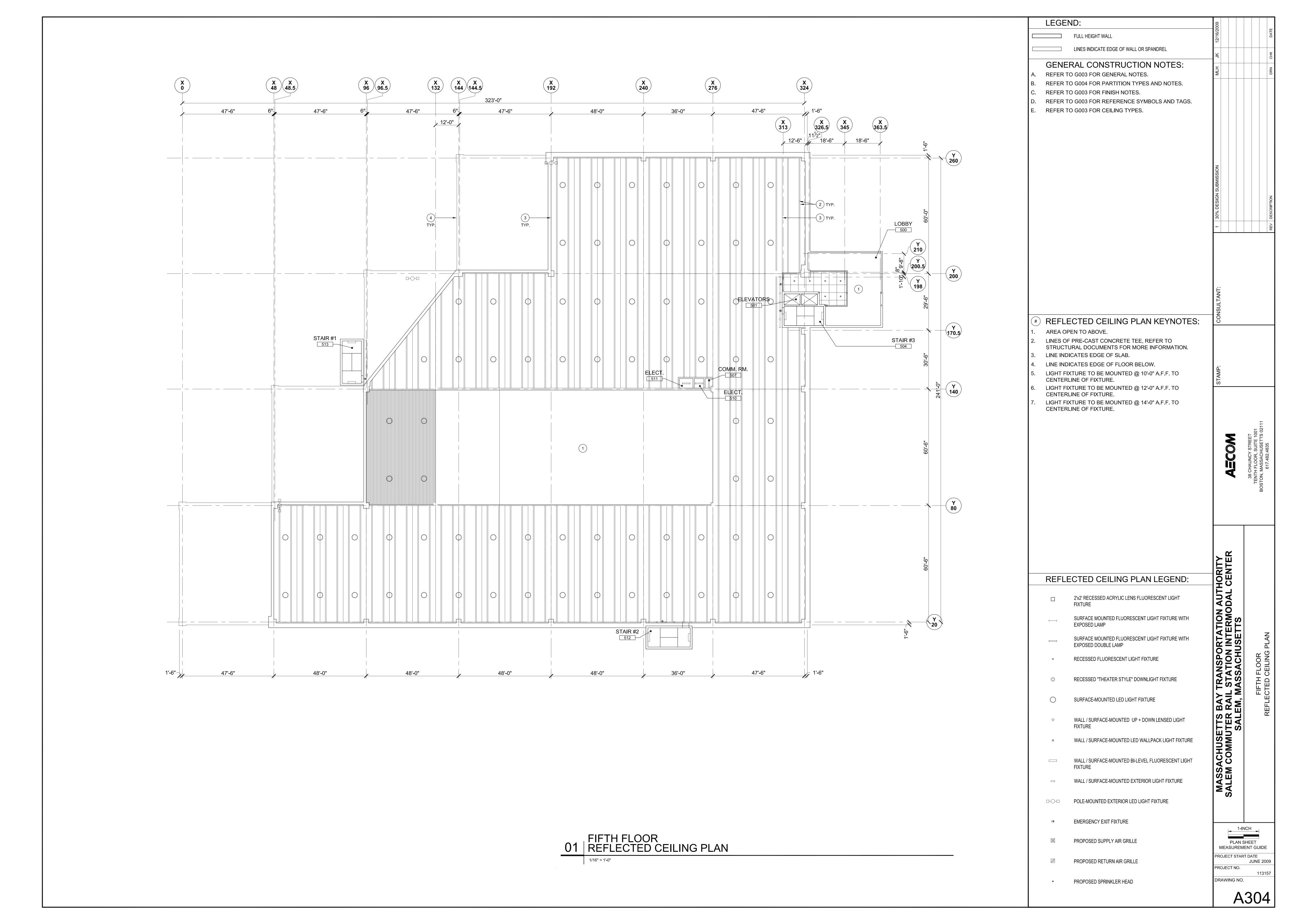


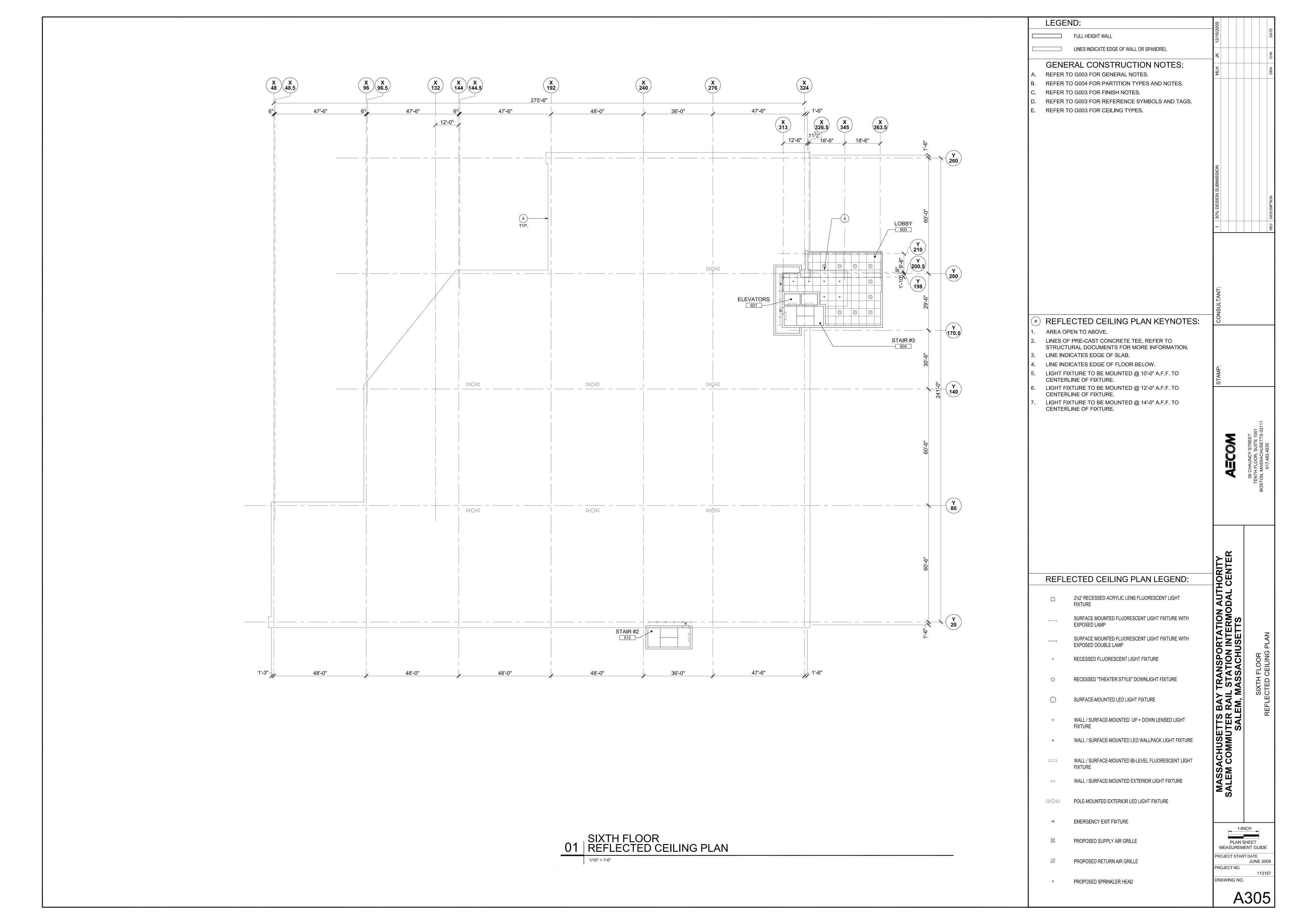


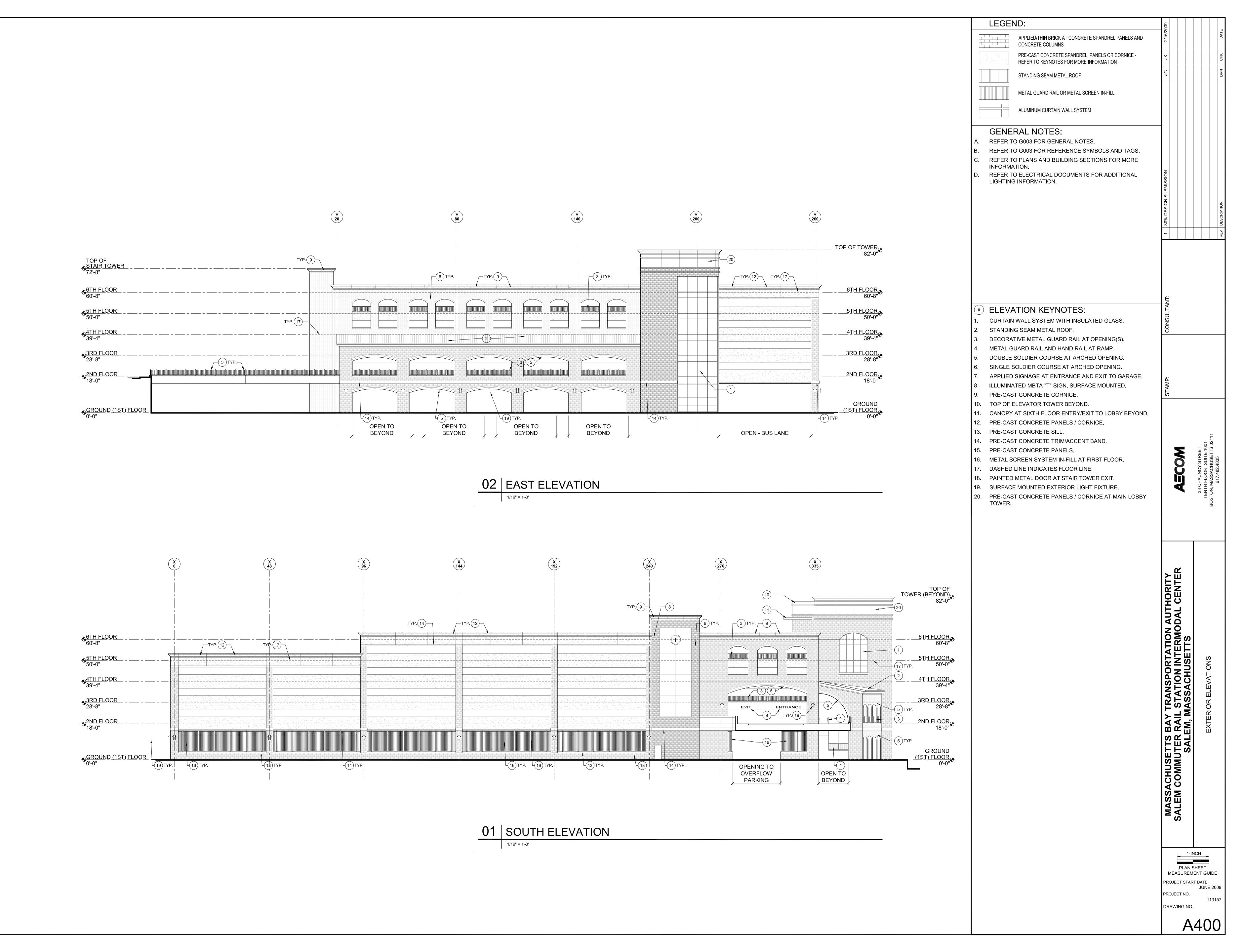


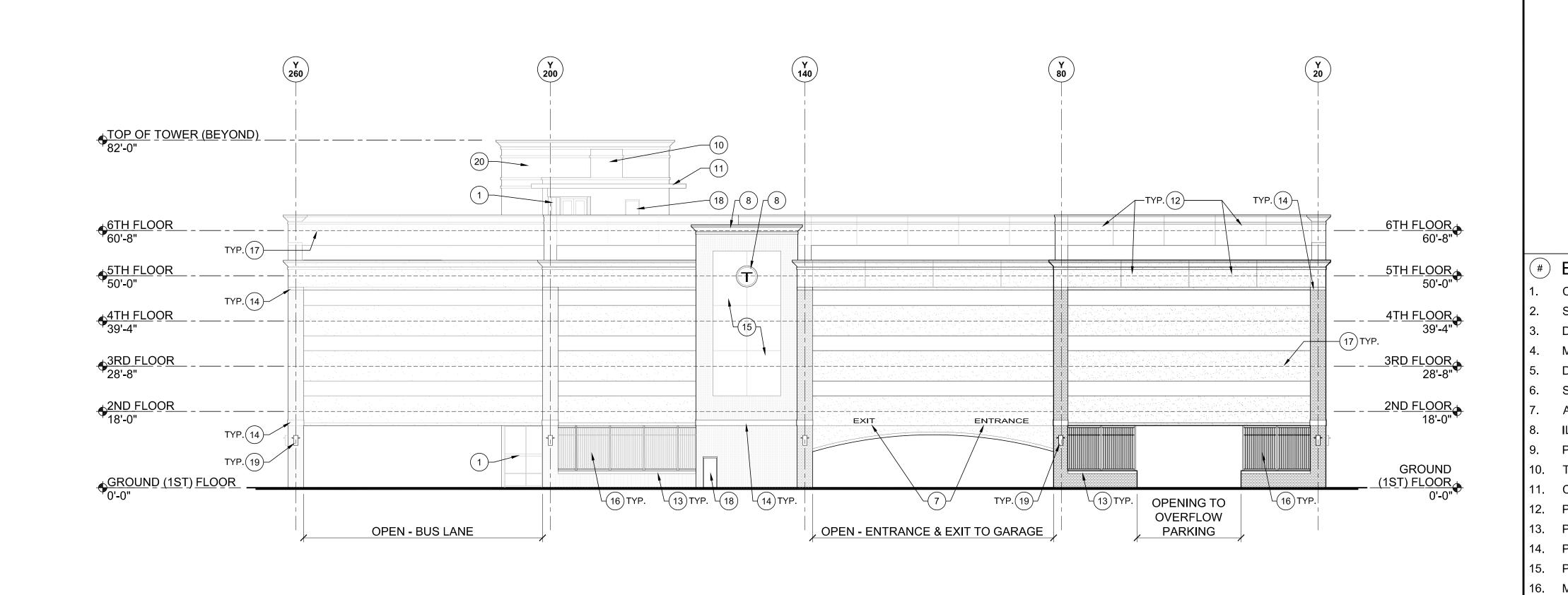


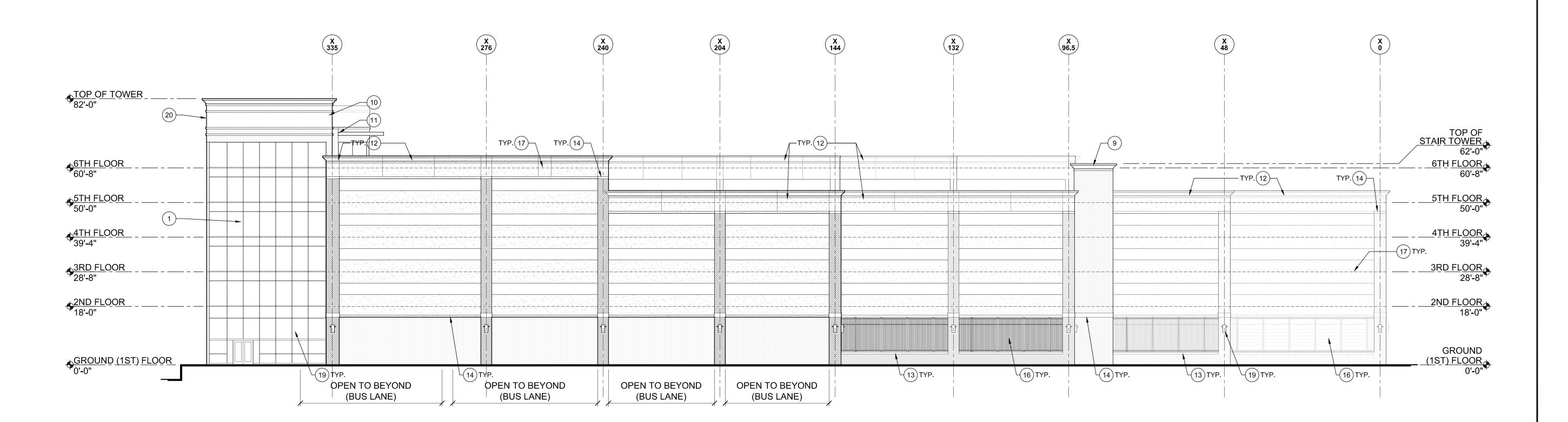












02 | WEST ELEVATION

01 NORTH ELEVATION

1/16" = 1'-0"

APPLIED/THIN BRICK AT CONCRETE SPANDREL PANELS AND CONCRETE COLUMNS PRE-CAST CONCRETE SPANDREL, PANELS OR CORNICE -REFER TO KEYNOTES FOR MORE INFORMATION STANDING SEAM METAL ROOF METAL GUARD RAIL OR METAL SCREEN IN-FILL ALUMINUM CURTAIN WALL SYSTEM **GENERAL NOTES:** REFER TO G003 FOR GENERAL NOTES. REFER TO G003 FOR REFERENCE SYMBOLS AND TAGS. REFER TO PLANS AND BUILDING SECTIONS FOR MORE INFORMATION. REFER TO ELECTRICAL DOCUMENTS FOR ADDITIONAL LIGHTING INFORMATION. **ELEVATION KEYNOTES:** CURTAIN WALL SYSTEM WITH INSULATED GLASS. STANDING SEAM METAL ROOF. DECORATIVE METAL GUARD RAIL AT OPENING(S). METAL GUARD RAIL AND HAND RAIL AT RAMP. DOUBLE SOLDIER COURSE AT ARCHED OPENING. SINGLE SOLDIER COURSE AT ARCHED OPENING. APPLIED SIGNAGE AT ENTRANCE AND EXIT TO GARAGE. ILLUMINATED MBTA "T" SIGN, SURFACE MOUNTED. PRE-CAST CONCRETE CORNICE. 10. TOP OF ELEVATOR TOWER BEYOND. CANOPY AT SIXTH FLOOR ENTRY/EXIT TO LOBBY BEYOND. 12. PRE-CAST CONCRETE PANELS / CORNICE. 3. PRE-CAST CONCRETE SILL. PRE-CAST CONCRETE TRIM/ACCENT BAND. 5. PRE-CAST CONCRETE PANELS. METAL SCREEN SYSTEM IN-FILL AT FIRST FLOOR. DASHED LINE INDICATES FLOOR LINE. PAINTED METAL DOOR AT STAIR TOWER EXIT. SURFACE MOUNTED EXTERIOR LIGHT FIXTURE. PRE-CAST CONCRETE PANELS / CORNICE AT MAIN LOBBY TRANSPORTATION AUTHORITY
STATION INTERMODAL CENTER 1-INCH PLAN SHEET MEASUREMENT GUIDE PROJECT START DATE DRAWING NO. A401

LEGEND:

